

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|  |   |                                   |
|--|---|-----------------------------------|
| In re application of: Shuster, et al.                          | § | Attorney Docket No.: 25791.121.05 |
|  | § |                                   |
| Appl. No. 10/528,499   | § | Group Art Unit: Unknown           |
|  | § |                                   |
| Filed: March 18, 2005  | § | Examiner: Unknown                 |
|  | § |                                   |
| For: SELF LUBRICATING EXPANSION MANDREL FOR EXPANDABLE TUBULAR |   |                                   |

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

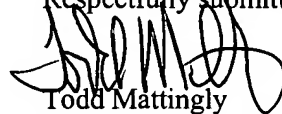
In compliance with the duty of disclosure under 37 CFR §1.56, and in accordance with the practice under 37 CFR §1.97 and §1.98, the Examiner's attention is directed to the documents listed on the enclosed modified Form PTO-1449. No inference should be made that the cited references are in fact material, are in fact prior art, or that no better art exists. The cited patents are listed in numerical order and are not in any order based on their pertinence.

Pursuant to the amendment to 37 CFR 1.98 (a)(2)(i), as stated in an OG Notice dated October 12, 2004, copies of the U.S. patent documents listed on the enclosed modified Form PTO-1449 are not attached.

This Information Disclosure Statement is being filed within three months of the United States filing date or before the mailing date of a first Office Action on the merits. No certification or fee is required (37 CFR §1.97(b)). The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account 08-1394.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Respectfully submitted,



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PTO-1449 Form PATENT AND TRADEMARK OFFICE

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

|                        |                 |
|------------------------|-----------------|
| Application Number     | 10/528499       |
| Filing Date            | March 18, 2005  |
| Applicant(s)           | Shuster, et al. |
| Art Unit               | Unknown         |
| Examiner Name          | Unknown         |
| Attorney Docket Number | 25791.121.05    |

SHEET 1 OF 12

## U. S. PATENT DOCUMENTS

| Examiner's Initials | Cite No. | Document Number | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|---------------------|----------|-----------------|--------------------------------|---|
|                     | A1       | 46,818          | 03-14-1865                     | Patterson                                       |
|                     | A2       | 331,940         | 12-08-1885                     | Bole  |
|                     | A3       | 332,184         | 12-08-1885                     | Bole  |
|                     | A4       | 341,237         | 05-04-1886                     | Healey  |
|                     | A5       | 519,805         | 05-15-1894                     | Bavier  |
|                     | A6       | 802,880         | 10-24-1905                     | Phillips, Jr.                                   |
|                     | A7       | 806,156         | 12-05-1905                     | Marshall  |
|                     | A8       | 958,517         | 05-17-1910                     | Mettler   |
|                     | A9       | 984,449         | 02-14-1911                     | Stewart   |
|                     | A10      | 1,166,040       | 12-28-1915                     | Burlingham                                      |
|                     | A11      | 1,233,888       | 07-17-1917                     | Leonard   |
|                     | A12      | 1,494,128       | 05-13-1924                     | Primrose  |
|                     | A13      | 1,589,781       | 06-22-1926                     | Anderson  |
|                     | A14      | 1,590,357       | 06-29-1926                     | Feisthamel                                      |
|                     | A15      | 1,597,212       | 10-13-1924                     | A. F. Spengler                                  |
|                     | A16      | 1,613,461       | 01-04-1927                     | Johnson   |
|                     | A17      | 1,756,531       | 04-29-1930                     | Aldeen et al.                                   |
|                     | A18      | 1,880,218       | 10-04-1932                     | Simmons   |
|                     | A19      | 1,981,525       | 11-20-1934                     | Price   |
|                     | A20      | 2,046,870       | 07-07-1936                     | Clasen, et al.                                  |
|                     | A21      | 2,087,185       | 07-13-1937                     | Dillom  |
|                     | A22      | 2,122,757       | 07-05-1938                     | Scott   |
|                     | A23      | 2,145,168       | 01-24-1939                     | Flagg   |
|                     | A24      | 2,160,263       | 05-30-1939                     | Fletcher  |
|                     | A25      | 2,187,275       | 01-16-1940                     | McLennan  |
|                     | A26      | 2,204,586       | 06-18-1940                     | Grau  |
|                     | A27      | 2,214,226       | 09-10-1940                     | English   |
|                     | A28      | 2,226,804       | 12-31-1940                     | Carroll   |
|                     | A29      | 2,273,017       | 02-17-1942                     | Boynton   |
|                     | A30      | 2,301,495       | 11-10-1942                     | Abegg   |
|                     | A31      | 2,371,840       | 03-20-1945                     | Otis  |
|                     | A32      | 2,383,214       | 08-21-1945                     | A. L. Prout                                     |
|                     | A33      | 2,447,629       | 08-24-1948                     | Beissinger, et al.                              |
|                     | A34      | 2,500,276       | 03-14-1950                     | Church  |
|                     | A35      | 2,546,295       | 03-27-1951                     | Boice   |
|                     | A36      | 2,583,316       | 01-22-1952                     | Bannister                                       |
|                     | A37      | 2,627,891       | 02-10-1953                     | Clark   |
|                     | A38      | 2,647,847       | 08-04-1953                     | Black, et al                                    |
|                     | A39      | 2,734,580       | 02-14-1956                     | Layne   |
|                     | A40      | 2,796,134       | 06-18-1957                     | Binkley   |
|                     | A41      | 2,812,025       | 11-05-1957                     | Teague, et al.                                  |
|                     | A42      | 2,907,589       | 10-06-1959                     | Knox  |
|                     | A43      | 2,929,741       | 01-05-1960                     | Strock et al.                                   |
|                     | A44      | 3,015,362       | 01-02-1962                     | Moosman   |
|                     | A45      | 3,015,500       | 01-02-1962                     | Barnett   |
|                     | A46      | 3,018,547       | 01-30-1962                     | Marshell  |

|      |           |            |                      |
|------|-----------|------------|----------------------|
| A47  | 3,039,530 | 06-19-1962 | E. L. Condra         |
| A48  | 3,067,819 | 12-11-1962 | Gore                 |
| A49  | 3,068,563 | 12-18-1962 | Reverman             |
| A50  | 3,104,703 | 09-24-1963 | Rike, et al.         |
| A51  | 3,111,991 | 11-26-1963 | O'Neal               |
| A52  | 3,167,122 | 01-26-1965 | Lang                 |
| A53  | 3,175,618 | 03-30-1965 | Lang, et al.         |
| A54  | 3,179,168 | 04-20-1965 | Vincent              |
| A55  | 3,188,816 | 06-15-1965 | Koch                 |
| A56  | 3,191,677 | 06-29-1965 | Kinley               |
| A57  | 3,191,680 | 06-29-1965 | Vincent              |
| A58  | 3,203,451 | 08-31-1965 | Vincent              |
| A59  | 3,203,483 | 08-31-1965 | Vincent              |
| A60  | 3,209,546 | 10-05-1965 | Lawton               |
| A61  | 3,210,102 | 10-05-1965 | Joslin               |
| A62  | 3,233,315 | 02-08-1966 | Levake               |
| A63  | 3,245,471 | 04-12-1966 | Howard               |
| A64  | 3,270,817 | 09-06-1966 | Papaila              |
| A65  | 3,297,092 | 01-10-1967 | Jennings             |
| A66  | 3,326,293 | 06-20-1967 | Skipper              |
| A67  | 3,343,252 | 09-26-1967 | Reesor               |
| A68  | 3,353,599 | 11-21-1967 | Swift                |
| A69  | 3,354,955 | 11-28-1967 | Berry                |
| A70  | 3,358,760 | 12-19-1967 | Blagg                |
| A71  | 3,358,769 | 12-19-1967 | Berry                |
| A72  | 3,364,993 | 01-23-1968 | Skipper              |
| A73  | 3,371,717 | 3-5-1968   | Chenoweth            |
| A74  | 3,412,565 | 11-26-1968 | Lindsey, et al.      |
| A75  | 3,419,080 | 12-31-1968 | Lebourg              |
| A76  | 3,424,244 | 01-28-1969 | Kinley               |
| A77  | 3,427,707 | 02-18-1969 | Nowosadko            |
| A78  | 3,477,506 | 11-11-1969 | Malone               |
| A79  | 3,489,220 | 01-13-1970 | Kinley               |
| A80  | 3,498,376 | 03-03-1970 | Sizer, et al.        |
| A81  | 3,504,515 | 04-07-1970 | Reardon.             |
| A82  | 3,520,049 | 07-14-1970 | Lysenko et al        |
| A83  | 3,528,498 | 09-15-1970 | Carothers            |
| A84  | 3,568,773 | 03-09-1971 | Chancellor           |
| A85  | 3,578,081 | 05-11-1971 | Bodine               |
| A86  | 3,579,805 | 05-25-1971 | Kast                 |
| A87  | 3,605,887 | 09-20-1971 | Lambie               |
| A88  | 3,631,926 | 01-04-1972 | Young                |
| A89  | 3,665,591 | 05-30-1972 | Kowal                |
| A90  | 3,667,547 | 06-06-1972 | Ahlstone             |
| A91  | 3,669,190 | 06-13-1972 | Sizer, et al.        |
| A92  | 3,682,256 | 08-08-1972 | Stuart               |
| A93  | 3,687,196 | 08-29-1972 | Mullins              |
| A94  | 3,691,624 | 09-19-1972 | Kinley               |
| A95  | 3,693,717 | 09-26-1972 | Wuenschel            |
| A96  | 3,704,730 | 12-05-1972 | Witzig               |
| A97  | 3,709,306 | 01-09-1973 | Curington            |
| A98  | 3,711,123 | 01-16-1973 | Arnold               |
| A99  | 3,712,376 | 01-23-1973 | Owen, et al.         |
| A100 | 3,746,068 | 07-17-1973 | Deckert, et al.      |
| A101 | 3,746,091 | 07-17-1973 | Owen, et al.         |
| A102 | 3,746,092 | 07-17-1973 | Land                 |
| A103 | 3,764,168 | 10-09-1973 | Kisling, III, et al. |
| A104 | 3,776,307 | 12-04-1973 | Young                |
| A105 | 3,779,025 | 12-18-1973 | Godley, et al.       |
| A106 | 3,780,562 | 12-25-1973 | Kinley               |
| A107 | 3,781,966 | 01-01-1974 | Lieberman            |
| A108 | 3,785,193 | 01-15-1974 | Kinley, et al.       |

|      |           |            |                     |
|------|-----------|------------|---------------------|
| A109 | 3,797,259 | 03-19-1974 | Kammerer, Jr.       |
| A110 | 3,812,912 | 05-28-1974 | Wuenschel           |
| A111 | 3,818,734 | 06-25-1974 | Bateman             |
| A112 | 3,834,742 | 09-10-1974 | McPhillips          |
| A113 | 3,866,954 | 02-18-1975 | Slator et al.       |
| A114 | 3,885,298 | 05-27-1975 | Pogonowski          |
| A115 | 3,887,006 | 06-03-1975 | Pitts               |
| A116 | 3,893,718 | 07-08-1975 | Powell              |
| A117 | 3,898,163 | 08-05-1975 | Mott                |
| A118 | 3,915,478 | 10-28-1975 | Al, et al.          |
| A119 | 3,935,910 | 02-02-1976 | Gaudy, et al.       |
| A120 | 3,942,824 | 03-09-1976 | Sable               |
| A121 | 3,945,444 | 03-23-1976 | Knudson             |
| A122 | 3,948,321 | 04-06-1976 | Owen, et al.        |
| A123 | 3,970,336 | 07-20-1976 | O'Sickey et al.     |
| A124 | 3,977,473 | 08-31-1976 | Page, Jr.           |
| A125 | 3,989,280 | 11-02-1976 | Schwarz             |
| A126 | 3,997,193 | 12-14-1976 | Tsuda, et al.       |
| A127 | 4,011,652 | 03-15-1977 | Black               |
| A128 | 4,019,579 | 04-26-1977 | Thuse               |
| A129 | 4,026,583 | 05-31-1977 | Gottlieb            |
| A130 | 4,053,247 | 10-11-1977 | Marsh, Jr.          |
| A131 | 4,069,573 | 01-24-1978 | Rogers, Jr., et al. |
| A132 | 4,076,287 | 02-28-1978 | Bill, et al.        |
| A133 | 4,096,913 | 06-27-1978 | Kenneday, et al.    |
| A134 | 4,098,334 | 07-04-1978 | Crowe               |
| A135 | 4,125,937 | 11-21-1978 | Brown, et al.       |
| A136 | 4,152,821 | 05-08-1979 | Scott               |
| A137 | 4,168,747 | 09-25-1979 | Youmans             |
| A138 | 4,190,108 | 02-26-1980 | Webber              |
| A139 | 4,204,312 | 05-27-1980 | Tooker              |
| A140 | 4,205,422 | 06-03-1980 | Hardwick            |
| A141 | 4,226,449 | 10-7-1980  | Cole                |
| A142 | 4,253,687 | 03-03-1981 | Maples              |
| A143 | 4,257,155 | 03-24-1981 | Hunter              |
| A144 | 4,274,665 | 06-23-1981 | Marsh, Jr.          |
| A145 | 4,304,428 | 12-08-1981 | Grigorian, et al.   |
| A146 | 4,328,983 | 05-11-1982 | Gibson              |
| A147 | 4,355,664 | 10-26-1982 | Cook et al.         |
| A148 | 4,359,889 | 11-23-1982 | Kelly               |
| A149 | 4,363,358 | 12-14-1982 | Ellis               |
| A150 | 4,366,971 | 01-04-1983 | Lula                |
| A151 | 4,368,571 | 01-18-1983 | Cooper, Jr.         |
| A152 | 4,379,471 | 04-12-1983 | Kuenzel             |
| A153 | 4,380,347 | 04-19-1983 | Sable               |
| A154 | 4,384,625 | 05-24-1983 | Roper et al.        |
| A155 | 4,388,752 | 06-21-1983 | Vinciguerra et al.  |
| A156 | 4,391,325 | 07-05-1983 | Baker, et al.       |
| A157 | 4,393,931 | 07-19-1983 | Muse, et al.        |
| A158 | 4,396,061 | 08-02-1983 | Tamplen et al.      |
| A159 | 4,401,325 | 08-30-1983 | Tsuchiya et al.     |
| A160 | 4,402,372 | 09-06-1983 | Cherrington         |
| A161 | 4,407,681 | 10-04-1983 | Ina, et al.         |
| A162 | 4,411,435 | 10-25-1983 | McStravick          |
| A163 | 4,413,395 | 11-08-1983 | Garnier             |
| A164 | 4,413,682 | 11-08-1983 | Callihan, et al.    |
| A165 | 4,420,866 | 12-20-1983 | Mueller             |
| A166 | 4,421,169 | 12-20-1983 | Dearth, et al.      |
| A167 | 4,422,317 | 12-27-1983 | Mueller             |
| A168 | 4,422,507 | 12-27-1983 | Reimert             |
| A169 | 4,423,889 | 01-03-1984 | Weise               |
| A170 | 4,423,986 | 01-03-1984 | Skogberg            |

|      |           |            |                      |
|------|-----------|------------|----------------------|
| A171 | 4,429,741 | 02-07-1984 | Hyland               |
| A172 | 4,440,233 | 04-03-1984 | Baugh, et al.        |
| A173 | 4,442,586 | 04-17-1984 | Ridenour             |
| A174 | 4,444,250 | 04-24-1984 | Keithahn, et al.     |
| A175 | 4,449,713 | 05-22-1984 | Ishido et al.        |
| A176 | 4,462,471 | 07-31-1984 | Hipp                 |
| A177 | 4,467,630 | 08-28-1984 | Kelly                |
| A178 | 4,468,309 | 08-28-1984 | White                |
| A179 | 4,469,356 | 09-04-1984 | Duret et al.         |
| A180 | 4,473,245 | 09-25-1984 | Raulins et al.       |
| A181 | 4,483,399 | 11-20-1984 | Colgate              |
| A182 | 4,485,847 | 12-04-1984 | Wentzell             |
| A183 | 4,491,001 | 01-01-1985 | Yoshida              |
| A184 | 4,501,327 | 02-26-1985 | Retz                 |
| A185 | 4,505,017 | 03-19-1985 | Schukei              |
| A186 | 4,505,987 | 03-19-1985 | Yamada et al.        |
| A187 | 4,507,019 | 03-26-1985 | Thompson             |
| A188 | 4,508,129 | 04-02-1985 | Brown                |
| A189 | 4,511,289 | 04-16-1985 | Herron               |
| A190 | 4,519,456 | 05-28-1985 | Cochran              |
| A191 | 4,526,232 | 07-02-1985 | Hughson, et al.      |
| A192 | 4,526,839 | 07-02-1985 | Herman et al.        |
| A193 | 4,530,231 | 07-23-1985 | Main                 |
| A194 | 4,541,655 | 09-17-1985 | Hunter               |
| A195 | 4,550,782 | 11-05-1985 | Lawson               |
| A196 | 4,553,776 | 11-19-1985 | Dodd                 |
| A197 | 4,573,248 | 03-04-1986 | Hackett              |
| A198 | 4,576,386 | 03-18-1986 | Benson, et al.       |
| A199 | 4,581,817 | 04-15-1986 | Kelly                |
| A200 | 4,590,227 | 05-20-1986 | Nakamura et al.      |
| A201 | 4,590,995 | 05-27-1986 | Evans                |
| A202 | 4,592,577 | 06-03-1986 | Ayres, et al.        |
| A203 | 4,595,063 | 06-17-1986 | Jennings et al       |
| A204 | 4,601,343 | 07-22-1986 | Lindsey, Jr. et al.  |
| A205 | 4,605,063 | 08-12-1986 | Ross                 |
| A206 | 4,611,662 | 09-16-1986 | Harrington           |
| A207 | 4,614,233 | 09-30-1986 | Menard               |
| A208 | 4,629,218 | 12-16-1986 | Dubois               |
| A209 | 4,630,849 | 12-23-1986 | Fukui, et al.        |
| A210 | 4,632,944 | 12-30-1986 | Thompson             |
| A211 | 4,634,317 | 01-06-1987 | Skogberg, et al.     |
| A212 | 4,635,333 | 01-13-1987 | Finch                |
| A213 | 4,637,436 | 01-20-1987 | Stewart, Jr., et al. |
| A214 | 4,646,787 | 03-03-1987 | Rush, et al.         |
| A215 | 4,649,492 | 03-10-1987 | Sinha et al.         |
| A216 | 4,651,836 | 03-24-1987 | Richards             |
| A217 | 4,656,779 | 04-14-1987 | Fedeli               |
| A218 | 4,660,863 | 04-28-1987 | Bailey, et al.       |
| A219 | 4,662,446 | 05-05-1987 | Brisco, et al.       |
| A220 | 4,669,541 | 06-02-1987 | Bissonnette          |
| A221 | 4,674,572 | 06-23-1987 | Gallus               |
| A222 | 4,682,797 | 07-28-1987 | Hildner              |
| A223 | 4,685,191 | 08-11-1987 | Mueller, et al.      |
| A224 | 4,685,834 | 08-11-1987 | Jordan               |
| A225 | 4,693,498 | 09-15-1987 | Baugh et al.         |
| A226 | 4,711,474 | 12-08-1987 | Patrick              |
| A227 | 4,714,117 | 12-22-1987 | Dech                 |
| A228 | 4,730,851 | 03-15-1988 | Watts                |
| A229 | 4,735,444 | 04-05-1988 | Skipper              |
| A230 | 4,739,654 | 04-26-1988 | Pilkington et al.    |
| A231 | 4,739,916 | 04-26-1988 | Ayres, et al.        |
| A232 | 4,754,781 | 07-05-1988 | Putter               |

|      |           |            |                       |
|------|-----------|------------|-----------------------|
| A233 | 4,758,025 | 07-19-1988 | Frick                 |
| A234 | 4,776,394 | 10-11-1988 | Lynde, et al.         |
| A235 | 4,778,088 | 10-18-1988 | Miller                |
| A236 | 4,779,445 | 10-25-1988 | Rabe                  |
| A237 | 4,793,382 | 12-27-1988 | Szalvay               |
| A238 | 4,796,668 | 01-10-1989 | Depret                |
| A239 | 4,817,710 | 04-04-1989 | Edwards, et al.       |
| A240 | 4,817,712 | 04-04-1989 | Bodine                |
| A241 | 4,817,716 | 04-04-1989 | Taylor, et al.        |
| A242 | 4,826,347 | 05-02-1989 | Baril et al           |
| A243 | 4,827,594 | 05-09-1989 | Cartry, et al.        |
| A244 | 4,828,033 | 05-09-1989 | Frison                |
| A245 | 4,830,109 | 06-16-1989 | Wedel                 |
| A246 | 4,832,382 | 05-23-1989 | Kapgan                |
| A247 | 4,836,579 | 06-06-1989 | Wester et al.         |
| A248 | 4,842,082 | 06-27-1989 | Springer              |
| A249 | 4,848,459 | 07-18-1989 | Blackwell et al.      |
| A250 | 4,854,338 | 08-08-1989 | Grantham              |
| A251 | 4,856,592 | 08-15-1989 | Van Bilderbeek et al. |
| A252 | 4,865,127 | 09-12-1989 | Koster                |
| A253 | 4,871,199 | 10-03-1989 | Ridenour et al.       |
| A254 | 4,872,253 | 10-10-1989 | Carstensen            |
| A255 | 4,887,646 | 12-19-1989 | Groves                |
| A256 | 4,892,337 | 01-09-1990 | Gunderson, et al.     |
| A257 | 4,893,658 | 01-16-1990 | Kimura, et al.        |
| A258 | 4,904,136 | 02-27-1990 | Matsumoto             |
| A259 | 4,907,828 | 03-13-1990 | Change                |
| A260 | 4,911,237 | 03-27-1990 | Melenzyer             |
| A261 | 4,913,758 | 04-03-1990 | Koster                |
| A262 | 4,915,177 | 04-10-1990 | Claycomb              |
| A263 | 4,915,426 | 04-10-1990 | Skipper               |
| A264 | 4,917,409 | 04-17-1990 | Reeves                |
| A265 | 4,919,989 | 04-24-1990 | Colangelo             |
| A266 | 4,930,573 | 06-05-1990 | Lane et al.           |
| A267 | 4,934,312 | 06-19-1990 | Koster, et al.        |
| A268 | 4,938,291 | 07-03-1990 | Lynde et al.          |
| A269 | 4,941,512 | 07-17-1990 | McParland             |
| A270 | 4,941,532 | 07-17-1990 | Hurt, et al.          |
| A271 | 4,942,925 | 07-24-1990 | Themig                |
| A272 | 4,942,926 | 07-24-1990 | Lessi                 |
| A273 | 4,958,691 | 10-25-1990 | Hipp                  |
| A274 | 4,968,184 | 11-06-1990 | Reid                  |
| A275 | 4,971,152 | 11-20-1990 | Koster, et al.        |
| A276 | 4,976,322 | 12-11-1990 | Abdrakhmanov, et al.  |
| A277 | 4,981,250 | 01-01-1991 | Persson               |
| A278 | 4,995,464 | 02-26-1991 | Watkins et al.        |
| A279 | 5,014,779 | 05-14-1991 | Meling, et al.        |
| A280 | 5,015,017 | 05-14-1991 | Geary                 |
| A281 | 5,026,074 | 06-25-1991 | Hoes et al.           |
| A282 | 5,031,370 | 07-16-1991 | Jewett                |
| A283 | 5,031,699 | 07-16-1991 | Artynov, et al.       |
| A284 | 5,040,283 | 08-20-1991 | Pelgrom               |
| A285 | 5,044,676 | 09-03-1991 | Burton, et al.        |
| A286 | 5,052,483 | 10-01-1991 | Hudson                |
| A287 | 5,059,043 | 10-22-1991 | Kuhne                 |
| A288 | 5,064,004 | 11-12-1991 | Lundel                |
| A289 | 5,079,837 | 01-14-1992 | Vanselow              |
| A290 | 5,083,608 | 01-28-1992 | Abdrakhmanov, et al.  |
| A291 | 5,093,015 | 03-03-1992 | Oldiges               |
| A292 | 5,095,991 | 03-17-1992 | Milberger             |
| A293 | 5,101,653 | 04-07-1992 | Hermes et al.         |
| A294 | 5,105,888 | 04-21-1992 | Pollock et al.        |

|      |           |            |                      |
|------|-----------|------------|----------------------|
| A295 | 5,107,221 | 04-21-1992 | N'Guyen, et al.      |
| A296 | 5,119,661 | 06-09-1992 | Abdrakhmanov, et al. |
| A297 | 5,134,891 | 08-04-1992 | Canevet              |
| A298 | 5,150,755 | 09-29-1992 | Cassel et. al        |
| A299 | 5,156,043 | 10-20-1992 | Ose                  |
| A300 | 5,156,213 | 10-20-1992 | George et al.        |
| A301 | 5,156,223 | 10-20-1992 | Hipp                 |
| A302 | 5,174,376 | 12-19-1992 | Singeetham           |
| A303 | 5,181,571 | 01-26-1993 | Mueller et al.       |
| A304 | 5,195,583 | 03-23-1993 | Toon et al.          |
| A305 | 5,197,553 | 03-30-1993 | Leturno              |
| A306 | 5,209,600 | 05-11-1993 | Koster               |
| A307 | 5,226,492 | 07-13-1993 | Solaache P. et al.   |
| A308 | 5,242,017 | 09-07-1993 | Hailey               |
| A309 | 5,253,713 | 10-19-1993 | Gregg et al.         |
| A310 | 5,275,242 | 01-04-1994 | Payne                |
| A311 | 5,282,508 | 02-01-1994 | Ellingsen et al.     |
| A312 | 5,286,393 | 02-15-1994 | Oldiges, et al.      |
| A313 | 5,309,621 | 05-10-1994 | O'Donnell, et al.    |
| A314 | 5,314,014 | 05-24-1994 | Tucker               |
| A315 | 5,314,209 | 05-24-1994 | Kuhne                |
| A316 | 5,318,122 | 06-07-1994 | Murray, et al.       |
| A317 | 5,318,131 | 06-07-1994 | Baker                |
| A318 | 5,325,923 | 07-05-1994 | Surjaatmadja, et al. |
| A319 | 5,326,137 | 07-05-1994 | Lorenz et al.        |
| A320 | 5,327,964 | 07-12-1994 | O'Donnell et al.     |
| A321 | 5,330,850 | 07-19-1994 | Suzuki et al.        |
| A322 | 5,332,038 | 07-26-1994 | Tapp, et al.         |
| A323 | 5,332,049 | 07-26-1994 | Tew                  |
| A324 | 5,333,692 | 08-02-1994 | Baugh, et al.        |
| A325 | 5,335,736 | 08-09-1994 | Windsor              |
| A326 | 5,337,808 | 08-16-1994 | Graham               |
| A327 | 5,337,823 | 08-16-1994 | Nobileau             |
| A328 | 5,337,827 | 08-16-1994 | Hromas et al.        |
| A329 | 5,339,894 | 08-23-1994 | Stotter              |
| A330 | 5,343,949 | 09-06-1994 | Ross, et al.         |
| A331 | 5,346,007 | 09-13-1994 | Dillon, et al.       |
| A332 | 5,348,087 | 09-20-1994 | Williamson, Jr.      |
| A333 | 5,348,093 | 09-20-1994 | Wood, et al.         |
| A334 | 5,348,095 | 09-20-1994 | Worrall, et al.      |
| A335 | 5,348,668 | 09-20-1994 | Oldiges, et al.      |
| A336 | 5,351,752 | 10-04-1994 | Wood, et al.         |
| A337 | 5,360,239 | 11-01-1994 | Klementich           |
| A338 | 5,360,292 | 11-01-1994 | Allen, et al.        |
| A339 | 5,361,843 | 11-08-1994 | Shy et al.           |
| A340 | 5,366,010 | 11-22-1994 | Zwart                |
| A341 | 5,366,012 | 11-22-1994 | Lohbeck              |
| A342 | 5,368,075 | 11-29-1994 | Baro, et al.         |
| A343 | 5,370,425 | 12-06-1994 | Dougherty et al.     |
| A344 | 5,375,661 | 12-27-1994 | Daneshy, et al.      |
| A345 | 5,388,648 | 02-14-1995 | Jordan, Jr.          |
| A346 | 5,390,735 | 02-21-1995 | Williamson, Jr.      |
| A347 | 5,390,742 | 02-21-1995 | Dines, et al.        |
| A348 | 5,396,957 | 03-15-1995 | Surjaatmadja, et al. |
| A349 | 5,400,827 | 03-28-1995 | Baro, et al          |
| A350 | 5,405,171 | 04-11-1995 | Allen, et al.        |
| A351 | 5,413,180 | 05-09-1995 | Ross et al.          |
| A352 | 5,425,559 | 06-20-1995 | Nobileau             |
| A353 | 5,426,130 | 06-20-1995 | Thurder, et al.      |
| A354 | 5,431,831 | 07-11-1995 | Vincent              |
| A355 | 5,435,395 | 07-25-1995 | Connell              |
| A356 | 5,439,320 | 08-08-1995 | Abrams               |

|      |           |            |                   |
|------|-----------|------------|-------------------|
| A357 | 5,447,201 | 09-05-1995 | Mohn              |
| A358 | 5,454,419 | 10-03-1995 | Vloedman          |
| A359 | 5,456,319 | 10-10-1995 | Schmidt et al.    |
| A360 | 5,458,194 | 10-17-1995 | Brooks            |
| A361 | 5,462,120 | 10-31-1995 | Gondouin          |
| A362 | 5,467,822 | 11-21-1995 | Zwart             |
| A363 | 5,472,055 | 12-05-1995 | Simson, et al.    |
| A364 | 5,474,334 | 12-12-1995 | Eppink            |
| A365 | 5,492,173 | 02-20-1996 | Kilgore et al.    |
| A366 | 5,494,106 | 02-27-1996 | Gueguen, et al.   |
| A367 | 5,507,343 | 04-16-1996 | Carlton, et al.   |
| A368 | 5,511,620 | 04-30-1996 | Baugh, et al.     |
| A369 | 5,524,937 | 06-11-1996 | Sides, III et al. |
| A370 | 5,535,824 | 07-16-1996 | Hudson            |
| A371 | 5,536,422 | 07-16-1996 | Oldiges, et al.   |
| A372 | 5,540,281 | 07-30-1996 | Round             |
| A373 | 5,554,244 | 09-10-1996 | Ruggles et al.    |
| A374 | 5,566,772 | 10-22-1996 | Coone et al.      |
| A375 | 5,576,485 | 11-19-1996 | Serata            |
| A376 | 5,584,512 | 12-17-1996 | Carstensen        |
| A377 | 5,606,792 | 03-04-1997 | Schafer           |
| A378 | 5,611,399 | 03-18-1997 | Richard, et al.   |
| A379 | 5,613,557 | 03-25-1997 | Blount, et al.    |
| A380 | 5,617,918 | 04-08-1997 | Cooksey, et al.   |
| A381 | 5,642,560 | 07-01-1997 | Tabuchi, et al.   |
| A382 | 5,642,781 | 07-01-1997 | Richard           |
| A383 | 5,662,180 | 09-02-1997 | Coffman et al     |
| A384 | 5,664,327 | 09-09-1997 | Swars             |
| A385 | 5,667,011 | 09-16-1997 | Gill, et al.      |
| A386 | 5,667,252 | 09-16-1997 | Schafer, et al.   |
| A387 | 5,678,609 | 10-21-1997 | Washburn          |
| A388 | 5,685,369 | 11-11-1997 | Ellis, et al.     |
| A389 | 5,689,871 | 11-25-1997 | Carstensen        |
| A390 | 5,695,008 | 12-09-1997 | Bertet, et al.    |
| A391 | 5,695,009 | 12-09-1997 | Hipp              |
| A392 | 5,697,449 | 12-16-1997 | Hennig et al.     |
| A393 | 5,718,288 | 02-17-1998 | Bertet, et al.    |
| A394 | 5,738,146 | 04-14-1998 | Abe               |
| A395 | 5,743,335 | 04-28-1998 | Bussear           |
| A396 | 5,749,419 | 05-12-1998 | Coronado et al.   |
| A397 | 5,749,585 | 05-12-1998 | Lembcke           |
| A398 | 5,775,422 | 07-07-1998 | Wong, et al.      |
| A399 | 5,785,120 | 07-28-1998 | Smalley, et al.   |
| A400 | 5,787,933 | 08-04-1998 | Russ, et al.      |
| A401 | 5,791,419 | 08-11-1998 | Valisalo          |
| A402 | 5,794,702 | 08-18-1998 | Nobileau          |
| A403 | 5,797,454 | 08-25-1998 | Hipp              |
| A404 | 5,829,520 | 11-03-1998 | Johnson           |
| A405 | 5,829,524 | 11-03-1998 | Flanders, et al.  |
| A406 | 5,833,001 | 11-10-1998 | Song, et al.      |
| A407 | 5,845,945 | 12-08-1998 | Carstensen        |
| A408 | 5,849,188 | 12-15-1998 | Voll, et al.      |
| A409 | 5,857,524 | 01-12-1999 | Harris            |
| A410 | 5,862,866 | 01-26-1999 | Springer          |
| A411 | 5,875,851 | 03-02-1999 | Vick, Jr. et al.  |
| A412 | 5,885,941 | 03-23-1999 | Sateva et al.     |
| A413 | 5,895,079 | 04-20-1999 | Carstensen et al. |
| A414 | 5,901,789 | 05-11-1999 | Donnelly et al.   |
| A415 | 5,918,677 | 07-06-1999 | Head              |
| A416 | 5,924,745 | 07-20-1999 | Campbell          |
| A417 | 5,931,511 | 08-03-1999 | DeLange, et al.   |
| A418 | 5,944,100 | 08-31-1999 | Hipp              |



|      |              |            |                     |
|------|--------------|------------|---------------------|
| A419 | 5,944,107    | 08-31-1999 | Ohmer               |
| A420 | 5,944,108    | 08-31-1999 | Baugh et al.        |
| A421 | 5,951,207    | 09-14-1999 | Chen                |
| A422 | 5,957,195    | 09-28-1999 | Bailey et al.       |
| A423 | 5,971,443    | 10-26-1999 | Noel et al.         |
| A424 | 5,975,587    | 11-02-1999 | Wood et al.         |
| A425 | 5,979,560    | 11-09-1999 | Nobileau            |
| A426 | 5,984,369    | 11-16-1999 | Crook et al.        |
| A427 | 5,984,568    | 11-16-1999 | Lohbeck             |
| A428 | 6,012,521    | 01-11-2000 | Zunkel et al.       |
| A429 | 6,012,522    | 01-11-2000 | Donnelly et al.     |
| A430 | 6,012,523    | 01-11-2000 | Campbell et al.     |
| A431 | 6,012,874    | 01-11-2000 | Groneck, et al.     |
| A432 | 6,015,012    | 01-18-2000 | Reddick             |
| A433 | 6,017,168    | 01-25-2000 | Fraser, et al.      |
| A434 | 6,021,850    | 02-08-2000 | Woo et al.          |
| A435 | 6,029,748    | 02-29-2000 | Forsyth et al.      |
| A436 | 6,035,954    | 03-14-2000 | Hipp                |
| A437 | 6,044,906    | 04-04-2000 | Saltel              |
| A438 | 6,047,505    | 04-11-2000 | Willow              |
| A439 | 6,047,774    | 04-11-2000 | Allen               |
| A440 | 6,050,341    | 04-18-2000 | Metcalf             |
| A441 | 6,050,346    | 04-18-2000 | Hipp                |
| A442 | 6,056,059    | 05-02-2000 | Ohmer               |
| A443 | 6,056,324    | 05-02-2000 | Reimert et al.      |
| A444 | 6,062,324    | 05-16-2000 | Hipp                |
| A445 | 6,065,500    | 05-23-2000 | Metcalfe            |
| A446 | 6,070,671    | 06-06-2000 | Cumming et al.      |
| A447 | 6,073,692    | 06-13-2000 | Wood et al.         |
| A448 | 6,074,133    | 06-13-2000 | Kelsey              |
| A449 | 6,078,031    | 06-20-2000 | Bliault et al.      |
| A450 | 6,079,495    | 6-27-2000  | Ohmer               |
| A451 | 6,085,838    | 07-11-2000 | Vercaemer et al.    |
| A452 | 6,089,320    | 07-18-2000 | LaGrange            |
| A453 | 6,098,717    | 08-08-2000 | Bailey et al.       |
| A454 | 6,102,119    | 08-15-2000 | Raines              |
| A455 | 6,109,355    | 08-29-2000 | Reid                |
| A456 | 6,112,818    | 09-05-2000 | Campbell            |
| A457 | 6,131,265    | 10-17-2000 | Bird                |
| A458 | 6,135,208    | 10-24-2000 | Gano, et al.        |
| A459 | 6,138,761    | 10-31-2000 | Freeman et al.      |
| A460 | 6,142,230    | 11-07-2000 | Smalley, et al.     |
| A461 | 6,158,963    | 12-12-2000 | Hollis              |
| A462 | 6,167,970    | 01-02-2001 | Stout               |
| A463 | 6,182,775B1  | 02-06-2001 | Hipp                |
| A464 | 6,196,336B1  | 03-06-2001 | Fincher et al.      |
| A465 | 6,226,855B1  | 05-08-2001 | Maine               |
| A466 | 6,231,086 B1 | 05-15-2001 | Tierling            |
| A467 | 6,250,385B1  | 06-26-2001 | Montaron            |
| A468 | 6,263,968B1  | 07-24-2001 | Freeman, et al.     |
| A469 | 6,263,966B1  | 7-24-2001  | Haut et al.         |
| A470 | 6,263,972B1  | 07-24-2001 | Richard et al.      |
| A471 | 6,267,181B1  | 07-31-2001 | Rhein-Knudsen et al |
| A472 | 6,275,556B1  | 08-14-2001 | Kinney et al.       |
| A473 | 6,283,211B1  | 09-04-2001 | Vloedman            |
| A474 | 6,315,043B1  | 11-13-2001 | Farrant, et al.     |
| A475 | 6,318,457 B1 | 11-20-2001 | Den Boer et al      |
| A476 | 6,318,465 B1 | 11-20-2001 | Coon et al.         |
| A477 | 6,322,109 B1 | 11-27-2001 | Campbell et al.     |
| A478 | 6,325,148 B1 | 12-04-2001 | Trahan et al.       |
| A479 | 6,328,113B1  | 12-11-2001 | Cook                |
| A480 | 6,343,495B1  | 02-05-2002 | Cheppe et al        |

|      |              |            |                   |
|------|--------------|------------|-------------------|
| A481 | 6,343,657 B1 | 02-05-2002 | Baugh et al.      |
| A482 | 6,345,431B1  | 02-12-2002 | Greig             |
| A483 | 6,334,351B1  | 01-01-2002 | Tsuchiya          |
| A484 | 6,352,112 B1 | 03-05-2002 | Mills             |
| A485 | 6,354,373B1  | 03-12-2002 | Vercaemer, et al. |
| A486 | 6,390,720 B1 | 05-21-2002 | LeBegue et al.    |
| A487 | 6,405,761 B1 | 06-18-2002 | Shimizu, et al.   |
| A488 | 6,406,063 B1 | 06-18-2002 | Pfeiffer          |
| A489 | 6,409,175B1  | 06-25-2002 | Evans et al.      |
| A490 | 6,419,026 B1 | 07-16-2002 | MacKenzie et al.  |
| A491 | 6,419,025 B1 | 06-16-2002 | Lohbeck et al.    |
| A492 | 6,419,033B1  | 07-16-2002 | Hahn et al.       |
| A493 | 6,419,147 B1 | 07-16-2002 | Daniel            |
| A494 | 6,425,444 B1 | 07-30-2002 | Metcalfe et al.   |
| A495 | 6,431,277 B1 | 08-13-2002 | Cox et al.        |
| A496 | 6,446,724B2  | 09-10-2002 | Baugh et al.      |
| A497 | 6,450,261B1  | 09-17-2002 | Baugh             |
| A498 | 6,454,013B1  | 09-24-2002 | Metcalfe          |
| A499 | 6,457,532B1  | 10-01-2002 | Simpson           |
| A500 | 6,457,533B1  | 10-01-2002 | Metcalfe          |
| A501 | 6,457,749B1  | 10-01-2002 | Heijnen           |
| A502 | 6,460,615 B1 | 10-08-2002 | Heijnen           |
| A503 | 6,464,008 B1 | 10-15-2002 | Roddy et al.      |
| A504 | 6,464,014 B1 | 10-15-2002 | Bernat            |
| A505 | 6,470,966B2  | 10-29-2002 | Cook et al.       |
| A506 | 6,470,996 B1 | 10-29-2002 | Kyle et al.       |
| A507 | 6,478,092 B2 | 11-12-2002 | Voll et al.       |
| A508 | 6,491,108    | 12-10-2002 | Slup et al.       |
| A509 | 6,497,289 B1 | 12-24-2002 | Cook et al.       |
| A510 | 6,516,887 B2 | 02-11-2003 | Nguyen et al.     |
| A511 | 6,517,126 B1 | 02-11-2003 | Peterson et al.   |
| A512 | 6,527,049B2  | 03-04-2003 | Metcalfe et al.   |
| A513 | 6,543,552 B1 | 04-08-2003 | Metcalfe et al.   |
| A514 | 6,543,545 B1 | 04-08-2003 | Chatterji et al.  |
| A515 | 6,543,552 B1 | 04-08-2003 | Metcalfe et al.   |
| A516 | 6,550,539 B2 | 04-22-2003 | Maguire et al.    |
| A517 | 6,550,821 B2 | 04-22-2003 | DeLange et al.    |
| A518 | 6,557,640 B1 | 05-06-2003 | Cook et al.       |
| A519 | 6,561,227 B2 | 05-13-2003 | Cook et al.       |
| A520 | 6,561,279 B2 | 05-13-2003 | MacKenzie et al.  |
| A521 | 6,564,875 B1 | 05-20-2003 | Bullock           |
| A522 | 6,568,471 B1 | 05-27-2003 | Cook et al.       |
| A523 | 6,568,488 B2 | 05-27-2003 | Wentworth et al.  |
| A524 | 6,575,240 B1 | 06-10-2003 | Cook et al.       |
| A525 | 6,578,630 B2 | 06-17-2003 | Simpson et al.    |
| A526 | 6,585,053 B2 | 07-01-2003 | Coon              |
| A527 | 6,591,905 B2 | 07-15-2003 | Coon              |
| A528 | 6,598,677 B1 | 07-29-2003 | Baugh et al.      |
| A529 | 6,598,678 B1 | 07-29-2003 | Simpson           |
| A530 | 6,604,763 B1 | 08-12-2003 | Cook, et al.      |
| A531 | 6,607,220 B2 | 08-19-2003 | Sivley, IV        |
| A532 | 6,619,696 B2 | 09-16-2003 | Baugh, et al.     |
| A533 | 6,622,797B2  | 09-23-2003 | Sivley, IV        |
| A534 | 6,629,567 B2 | 10-07-2003 | Lauritzen et al.  |
| A535 | 6,631,759 B2 | 10-14-2003 | Cook et al.       |
| A536 | 6,631,760 B2 | 10-14-2003 | Cook et al.       |
| A537 | 6,631,765B2  | 10-14-2003 | Baugh et al.      |
| A538 | 6,631,769 B2 | 10-14-2003 | Cook. et al.      |
| A539 | 6,634,431 B2 | 10-21-2003 | Cook et al.       |
| A540 | 6,640,895 B2 | 11-04-2003 | Murray            |
| A541 | 6,640,903B1  | 11-04-2003 | Cook et al.       |
| A542 | 6,648,075 B2 | 11-18-2003 | Badrak et al.     |

|      |              |            |                       |
|------|--------------|------------|-----------------------|
| A543 | 6,668,937 B1 | 12-30-2003 | Murray                |
| A544 | 6,672,759B2  | 01-06-2004 | Feger                 |
| A545 | 6,679,328B2  | 01-20-2004 | Davis et al.          |
| A546 | 6,681,862B2  | 01-27-2004 | Freeman               |
| A547 | 6,684,947 B2 | 02-03-2004 | Cook et al            |
| A548 | 6,688,397 B2 | 02-10-2004 | McClurkin et al.      |
| A549 | 6,695,012 B1 | 02-24-2004 | Ring et al.           |
| A550 | 6,695,065    | 02-24-2004 | Simpson et al         |
| A551 | 6,698,517 B2 | 03-02-2004 | Simpson               |
| A552 | 6,701,598 B2 | 03-09-2004 | Chen et al.           |
| A553 | 6,702,030 B2 | 03-09-2004 | Simpson               |
| A554 | 6,705,395 B2 | 03-16-2004 | Cook et al            |
| A555 | 6,712,154 B2 | 03-30-2004 | Cook et al.           |
| A556 | 6,712,401 B2 | 03-30-2004 | Coulon et al.         |
| A557 | 6,719,064 B2 | 04-13-2004 | Price-Smith et al.    |
| A558 | 6,722,427 B2 | 04-20-2004 | Gano et al.           |
| A559 | 6,722,443 B1 | 04-20-2004 | Metcalfe              |
| A560 | 6,722,437 B2 | 04-20-2004 | Vercaemer et al.      |
| A561 | 6,725,919 B2 | 04-27-2004 | Cook et al.           |
| A562 | 6,725,934 B2 | 04-27-2004 | Coronado et al.       |
| A563 | 6,725,939 B2 | 04-27-2004 | Richard               |
| A564 | 6,732,806 B2 | 05-11-2004 | Mauldin et al.        |
| A565 | 6,739,392 B2 | 05-25-2004 | Cook et al.           |
| A566 | 6,745,845 B2 | 06-08-2004 | Cook et al.           |
| A567 | 6,758,278 B2 | 07-06-2004 | Cook et al.           |
| A568 | 6,796,380 B2 | 09-28-2004 | Xu                    |
| A569 | 6,814,147 B2 | 11-09-2004 | Baugh                 |
| A570 | 6,820,690 B2 | 11-23-2004 | Vercaemer et al.      |
| A571 | 6,823,937B1  | 11-30-2004 | Cook et al.           |
| A572 | 6,832,649 B2 | 12-21-2004 | Bode et al.           |
| A573 | 6,834,725 B2 | 12-28-2004 | Whanger et al         |
| A574 | 6,843,322 B2 | 01-18-2005 | Burtner et al.        |
| A575 | 6,857,473 B2 | 02-22-2005 | Cook et al.           |
| A576 | 6,892,819 B2 | 05-17-2005 | Cook et al            |
| A577 | 6,902,000 B2 | 06-07-2005 | Simpson, et al.       |
| A578 | 6,902,652 B1 | 06-21-2005 | Heijnen               |
| A579 | RE30802      | 11-24-1981 | George D. Rogers, Jr. |

## U. S. PATENT PUBLICATIONS

| Examiner's Initials | Cite No. | Document Number    | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|---------------------|----------|--------------------|-----------------------------|---|
|                     | A580     | US 2001/0002626 A1 | 06-07-2001                  | Frank et al.                                    |
|                     | A581     | US 2001/0020532 A1 | 09-13-2001                  | Baugh et al.                                    |
|                     | A582     | US 2001/0045284 A1 | 11-29-2001                  | Simpson et al.                                  |
|                     | A583     | US 2001/0047870 A1 | 12-06-2001                  | Cook et al.                                     |
|                     | A584     | US 2002/0011339 A1 | 01-31-2002                  | Murray  |
|                     | A585     | US 2002/0014339 A1 | 02-07-2002                  | Ross  |
|                     | A586     | US 2002/0020524A1  | 02-21-2002                  | Gano  |
|                     | A587     | US 2002/0020531A1  | 02-21-2002                  | Ohmer   |
|                     | A588     | US 2002/0033261 A1 | 03-21-2002                  | Metcalfe  |
|                     | A589     | US 2002/0062956 A1 | 05-30-2002                  | Murray et al.                                   |
|                     | A590     | US 2002/0066576 A1 | 06-06-2002                  | Cook et al.                                     |
|                     | A591     | US 2002/0066578 A1 | 06-06-2002                  | Broome  |
|                     | A592     | US 2002/0070023 A1 | 06-13-2002                  | Turner et al                                    |
|                     | A593     | US 2002/0070031 A1 | 06-13-2002                  | Voll et al.                                     |
|                     | A594     | US 2002/0079101 A1 | 06-27-2002                  | Baugh et al.                                    |
|                     | A595     | US 2002/0084070 A1 | 07-04-2002                  | Voll et al.                                     |
|                     | A596     | US 2002/0092654 A1 | 07-18-2002                  | Coronado et al.                                 |
|                     | A597     | US 2002/0108756 A1 | 08-15-2002                  | Harrall et al.                                  |
|                     | A598     | US 2002/0139540 A1 | 10-03-2002                  | Lauritzen                                       |
|                     | A599     | US 2002/0144822 A1 | 10-10-2002                  | Hackworth et al.                                |
|                     | A600     | US 2002/0148612 A1 | 10-17-2002                  | Cook et al.                                     |
|                     | A601     | US 2002/0185274 A1 | 12-12-2002                  | Simpson et al.                                  |
|                     | A602     | US 2002/0189816 A1 | 12-19-2002                  | Cook et al.                                     |

|      |                     |            |                   |
|------|---------------------|------------|-------------------|
| A603 | US 2002/0195252 A1  | 12-26-2002 | Maguire et al.    |
| A604 | US 2002/0195256 A1  | 12-26-2002 | Metcalfe et al.   |
| A605 | US 2003/0024708 A1  | 02-06-2003 | Ring et al.       |
| A606 | US 2003/0024711 A1  | 02-06-2003 | Simpson et al.    |
| A607 | US 2003/0034177 A1  | 02-20-2003 | Chitwood et al.   |
| A608 | US 2003/0042022 A1  | 03-06-2003 | Lauritzen et al.  |
| A609 | US 2003/0047322 A1  | 03-13-2003 | Maguire et al.    |
| A610 | US 2003/0047323 A1  | 03-13-2003 | Jackson et al.    |
| A611 | US 2003/0056991 A1  | 03-27-2003 | Hahn et al.       |
| A612 | US 2003/0066655 A1  | 04-10-2003 | Cook et al.       |
| A613 | US 2003/0067166 A1  | 04-10-2003 | Maguire           |
| A614 | US 2003/0075337 A1  | 04-24-2003 | Sivley, IV        |
| A615 | US 2003/0075338 A1  | 04-24-2003 | Sivley, IV        |
| A616 | US 2003/0075339 A1  | 04-24-2003 | Gano et al.       |
| A617 | US 2003/0094277 A1  | 05-22-2003 | Cook et al.       |
| A618 | US 2003/0094278 A1  | 05-22-2003 | Cook et al.       |
| A619 | US 2003/0094279 A1  | 05-22-2003 | Ring et al.       |
| A620 | US 2003/0098154 A1  | 05-29-2003 | Cook et al.       |
| A621 | US 2003/0098162 A1  | 05-29-2003 | Cook              |
| A622 | US 2003/0107217 A1  | 06-12-2003 | Daigle et al.     |
| A623 | US 2003/0111234 A1  | 06-19-2003 | McClurkin et al.  |
| A624 | US 2003/0116325 A1  | 06-26-2003 | Cook et al.       |
| A625 | US 2003/0121558 A1  | 07-03-2003 | Cook et al.       |
| A626 | US 2003/0121655 A1  | 07-03-2003 | Lauritzen et al.  |
| A627 | US 2003/0121669 A1  | 07-03-2003 | Cook et al.       |
| A628 | US 2003/0140673 A1  | 07-31-2003 | Marr et al.       |
| A629 | US 2003/0173090 A1  | 09-18-2003 | Cook et al.       |
| A630 | US 2003/0192705 A1  | 10-16-2003 | Cook et al.       |
| A631 | US 2003/0222455 A1  | 12-04-2003 | Cook et al.       |
| A632 | US 2004/0011534 A1  | 01-22-2004 | Simonds et al.    |
| A633 | US 2004/0045616 A1  | 03-11-2004 | Cook et al.       |
| A634 | US 2004/0045718 A1  | 03-11-2004 | Brisco et al.     |
| A635 | US 2004/0060706 A1  | 04-01-2004 | Stephenson        |
| A636 | US 2004/0065446 A1  | 04-08-2004 | Tran et al.       |
| A637 | US 2004/0069499 A1  | 04-15-2004 | Cook et al.       |
| A638 | US 2004/0112589 A1  | 06-17-2004 | Cook et al.       |
| A639 | US 2004/0112606 A1  | 06-17-2004 | Lewis et al.      |
| A640 | US 2004/0118574 A1  | 06-24-2004 | Cook et al.       |
| A641 | US 2004/0123983 A1  | 07-01-2004 | Cook et al.       |
| A642 | US 2004/0123988 A1  | 07-01-2004 | Cook et al.       |
| A643 | US 2004/0188099 A1  | 09-30-2004 | Cook et al.       |
| A644 | US 2004/0216873 A2  | 11-04-2004 | Frost, Jr, et al. |
| A645 | US 2004/0221996 A1  | 11-11-2004 | Burge             |
| A646 | US 2004/0231839 A1  | 11-25-2004 | Ellington et al.  |
| A647 | US 2004/0231855 A1  | 11-25-2004 | Cook et al.       |
| A648 | US 2004/0238181 A1  | 12-02-2004 | Cook et al.       |
| A649 | US 2004/ 0244968 A1 | 12-09-2004 | Cook et al.       |
| A650 | US 2004/ 0262014 A1 | 12-30-2004 | Cook et al.       |
| A651 | US 2005/0011641 A1  | 01-20-2005 | Cook et al.       |
| A652 | US 2005/0015963 A1  | 01-27-2005 | Costa et al.      |
| A653 | US 2005/0028988 A1  | 02-10-2005 | Cook et al.       |
| A654 | US 2005/0039910 A1  | 02-24-2005 | Lohbeck           |
| A655 | US 2005/0039928 A1  | 02-24-2005 | Cook et al.       |
| A656 | US 2005/0045324 A1  | 03-03-2005 | Cook et al.       |
| A657 | US 2005/0045341 A1  | 03-03-2005 | Cook et al.       |
| A658 | US 2005/0056433 A1  | 03-17-2005 | Watson et al.     |
| A659 | US 2005/0056434 A1  | 03-17-2005 | Ring et al.       |
| A660 | US 2005/0077051 A1  | 04-14-2005 | Cook et al.       |
| A661 | US 2005/0081358 A1  | 04-21-2005 | Cook et al.       |
| A662 | US 2005/0087337 A1  | 04-28-2005 | Brisco, et al     |
| A663 | US 20050098323 A1   | 05-12-2005 | Cook et al.       |
| A664 | US 2005/0103502 A1  | 05-19-2005 | Watson et al.     |
| A665 | US2005/0123639 A1   | 06-09-2005 | Ring et al.       |
| A666 | US 2005/0133225 A1  | 06-23-2005 | Oosterling        |
| A667 | US2005/0138790 A1   | 06-30-2005 | Cook et al.       |
| A668 | US2005/0144771 A1   | 07-07-2005 | Cook et al.       |

|  |      |                   |            |             |
|--|------|-------------------|------------|-------------|
|  | A669 | US2005/0144772 A1 | 07-07-2005 | Cook et al. |
|  | A670 | US2005/0144777 A1 | 07-07-2005 | Cook et al. |
|  | A671 | US2005/0150098 A1 | 07/14/2005 | Cook et al. |
|  | A672 | US20050150660 A1  | 07-14-2005 | Cook et al. |
|  | A673 | US20050161228 A1  | 07-28-2005 | Cook et al. |

|                       |  |                 |  |
|-----------------------|--|-----------------|--|
| Examiner<br>Signature |  | Date Considered |  |
|-----------------------|--|-----------------|--|

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Complete if Known

|                        |                 |
|------------------------|-----------------|
| Application Number     | 10/528499       |
| Filing Date            | March 18, 2005  |
| Applicant(s)           | Shuster, et al. |
| Art Unit               | Unknown         |
| Examiner Name          | Unknown         |
| Attorney Docket Number | 25791.121.05    |

SHEET 1 OF 3

## **FOREIGN PATENT DOCUMENTS**

| Examiner's<br>Initials | Cite No. | Foreign Patent Document<br>(Country Code - Number - Kind) | Publication Date<br>MM-DD-YYYY | Patentee or Applicant of Cited<br>Document | Translation<br>Y/N |
|------------------------|----------|---|--------------------------------|--|--------------------|
|                        | B1       | 1,325,596   | 06-22-1962                     | France                                     | No                 |
|                        | B2       | 2,717,855A1   | 09-29-1995                     | France                                     | Yes                |
|                        | B3       | 2,741,907A1   | 06-06-1997                     | France                                     | Yes                |
|                        | B4       | 2,771,133A  |                                | France                                     | No                 |
|                        | B5       | 2,780,751   | 01-07-2000                     | France                                     | Yes                |
|                        | B6       | 2,841,626A1   | 01-02-2004                     | France                                     | Yes                |
|                        | B7       | 174,521   | 04-10-1953                     | Germany                                    | No                 |
|                        | B8       | 203,767   | 11-02-1983                     | Germany                                    | Yes                |
|                        | B9       | 233,607A1   | 03-05-1986                     | Germany                                    | Yes                |
|                        | B10      | 278,517A1   | 05-09-1990                     | Germany                                    | Yes                |
|                        | B11      | 2,458,188   |                                | Germany                                    | No                 |
|                        | B12      | 2,234,386   | 03-18-2003                     | Canada                                     | No                 |
|                        | B13      | 2,292,171   | 06-07-2000                     | Canada                                     | No                 |
|                        | B14      | 2,298,139   | 08-11-2000                     | Canada                                     | No                 |
|                        | B15      | 736,288   | 06-14-1966                     | Canada                                     | No                 |
|                        | B16      | 771,462   | 11-14-1967                     | Canada                                     | No                 |
|                        | B17      | 1,171,310   | 07-24-1984                     | Canada                                     | No                 |
|                        | B18      | 350,833   | 09-20-1972                     | Soviet Union                               | Yes                |
|                        | B19      | 511,468   | 09-02-1976                     | Soviet Union                               | No                 |
|                        | B20      | 607,950   | 05-15-1978                     | Soviet Union                               | Yes                |
|                        | B21      | 612,004   | 05-26-1978                     | Soviet Union                               | Yes                |
|                        | B22      | 620,582   | 07-11-1978                     | Soviet Union                               | Yes                |
|                        | B23      | 641,070   | 01-08-1979                     | Soviet Union                               | Yes                |
|                        | B24      | 832,049   | 05-23-1981                     | Soviet Union                               | Yes                |
|                        | B25      | 853,089   | 08-07-1981                     | Soviet Union                               | Yes                |
|                        | B26      | 874,952   |                                | Soviet Union                               | Yes                |
|                        | B27      | 894,169   | 01-05-1982                     | Soviet Union                               | Yes                |
|                        | B28      | 899,850   | 01-23-1982                     | Soviet Union                               | Yes                |
|                        | B29      | 907,220   | 02-23-1982                     | Soviet Union                               | Yes                |
|                        | B30      | 909,114   | 05-31-1979                     | Soviet Union                               | Yes                |
|                        | B31      | 953,172   | 08-28-1982                     | Soviet Union                               | Yes                |
|                        | B32      | 959,878   | 09-23-1982                     | Soviet Union                               | Yes                |
|                        | B33      | 976,019   | 11-23-1982                     | Soviet Union                               | Yes                |
|                        | B34      | 976,020   | 11-23-1982                     | Soviet Union                               | Yes                |
|                        | B35      | 989,038   | 01-15-1983                     | Soviet Union                               | Yes                |
|                        | B36      | 1,002,514   | 03-07-1983                     | Soviet Union                               | Yes                |
|                        | B37      | 1,041,671A  | 09-15-1983                     | Soviet Union                               | Yes                |
|                        | B38      | 1,051,222A  | 10-30-1983                     | Soviet Union                               | Yes                |
|                        | B39      | 1,077,803A  | 07-03-1984                     | Soviet Union                               | NO                 |
|                        | B40      | 1,086,118A  | 04-15-1984                     | Soviet Union                               | Yes                |
|                        | B41      | 1,158,400A  | 05-30-1985                     | Soviet Union                               | Yes                |
|                        | B42      | 1,212,575A  | 02-23-1986                     | Soviet Union                               | Yes                |
|                        | B43      | 1,250,637A1   | 08-15-1986                     | Soviet Union                               | Yes                |
|                        | B44      | 1,295,799A1   | 02-09-1995                     | Soviet Union                               | Yes                |
|                        | B45      | 1,324,722 A1  |                                | Soviet Union                               | No                 |

|     |             |            |              |     |
|-----|-------------|------------|--------------|-----|
| B46 | 1,411,434   | 07-23-1988 | Soviet Union | Yes |
| B47 | 1,430,498A1 | 10-15-1988 | Soviet Union | Yes |
| B48 | 1,432,190A1 | 10-23-1988 | Soviet Union | Yes |
| B49 | 1,601,330A1 | 10-23-1990 | Soviet Union | Yes |
| B50 | 1,627,663A2 | 02-15-1991 | Soviet Union | Yes |
| B51 | 1,659,621A1 | 06-30-1991 | Soviet Union | Yes |
| B52 | 1,663,179A2 | 07-15-1991 | Soviet Union | Yes |
| B53 | 1,663,180A1 | 07-15-1991 | Soviet Union | Yes |
| B54 | 1,677,225A1 | 09-15-1991 | Soviet Union | Yes |
| B55 | 1,677,248A1 | 09-15-1991 | Soviet Union | Yes |
| B56 | 1,686,123A1 | 10-23-1991 | Soviet Union | Yes |
| B57 | 1,686,124A1 | 10-23-1991 | Soviet Union | Yes |
| B58 | 1,686,125A1 | 10-23-1991 | Soviet Union | Yes |
| B59 | 1,698,413A1 | 12-15-1991 | Soviet Union | Yes |
| B60 | 1,710,694A  | 02-07-1992 | Soviet Union | Yes |
| B61 | 1,730,429A1 | 04-30-1992 | Soviet Union | Yes |
| B62 | 1,745,873A1 | 07-07-1992 | Soviet Union | Yes |
| B63 | 1,747,673A1 | 07-15-1992 | Soviet Union | Yes |
| B64 | 1,749,267A1 | 07-23-1992 | Soviet Union | Yes |
| B65 | 1,786,241A1 | 01-07-1993 | Soviet Union | Yes |
| B66 | 1,804,543A3 | 03-23-1993 | Soviet Union | Yes |
| B67 | 1,810,482A1 | 04-23-1993 | Soviet Union | Yes |
| B68 | 1,818,459A1 | 05-30-1993 | Soviet Union | Yes |
| B69 | 2,016,345C1 | 07-15-1994 | Russia       | Yes |
| B70 | 2,039,214C1 | 07-09-1995 | Russia       | Yes |
| B71 | 2,056,201C1 | 03-20-1996 | Russia       | Yes |
| B72 | 2,064,357C1 | 07-27-1996 | Russia       | Yes |
| B73 | 2,068,940C1 | 11-10-1996 | Russia       | Yes |
| B74 | 2,068,943C1 | 11-10-1996 | Russia       | Yes |
| B75 | 2,079,633C1 | 05-20-1997 | Russia       | Yes |
| B76 | 2,083,798C1 | 07-10-1997 | Russia       | Yes |
| B77 | 2,091,655C1 | 09-27-1997 | Russia       | Yes |
| B78 | 2,095,179C1 | 11-10-1997 | Russia       | Yes |
| B79 | 2,105,128C1 | 02-20-1998 | Russia       | Yes |
| B80 | 2,108,445C1 | 04-10-1998 | Russia       | Yes |
| B81 | 2,144,128C1 | 01-10-2000 | Russia       | Yes |
| B82 | 113,267B1   | 05-29-1998 | Romania      | Yes |
| B83 | 9,001,081   | 12-02-1991 | Netherlands  | Yes |
| B84 | 11-169975   | 06-29-1999 | Japan        | No  |
| B85 | 94,068A     | 04-04-2000 | Japan        | Yes |
| B86 | 102,875     | 04-18-1995 | Japan        | Yes |
| B87 | 107,870A    | 04-18-2000 | Japan        | Yes |
| B88 | 162,192     | 06-16-2000 | Japan        | Yes |
| B89 | 208,458     | 10-21-1985 | Japan        | Yes |
| B90 | 6,475,715   | 03-22-1989 | Japan        | Yes |
| B91 | 2001-47161  | 02-20-2001 | Japan        | Yes |
| B92 | 767364      | 2-26-2004  | Australia    | No  |
| B93 | 770008      | 07-15-2004 | Australia    | No  |
| B94 | 770359      | 07-22-2004 | Australia    | No  |
| B95 | 771884      | 08-12-2004 | Australia    | No  |
| B96 | 776580      | 01-20-2005 | Australia    | No  |

## OTHER PRIOR ART

| Examiner's Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume, issue number(s), publisher, city/country where published |
|---------------------|----------|---|
|                     | C1       | Written Opinion to Application No. PCT/US01/19014; December 10, 2002 (Atty Docket No. 25791.38.02)  |
|                     | C2       | Written Opinion to Application No. PCT/US01/23815; July 25, 2002 (Atty Docket No. 25791.46.02)  |
|                     | C3       | Written Opinion to Application No. PCT/US01/28960; December 2, 2002 (Atty Docket No. 25791.47.02)   |
|                     | C4       | Written Opinion to Application No. PCT/US01/30256; November 11, 2002 (Atty Docket No. 25791.48.02)  |
|                     | C5       | Written Opinion to Application No. PCT/US02/00093; April 21, 2003; (Atty Docket No. 25791.52.02)  |
|                     | C6       | Written Opinion to Application No. PCT/US02/00677; April 17, 2003 (Atty Docket No. 25791.51.02)   |
|                     | C7       | Written Opinion to Application No. PCT/US02/04353; April 11, 2003 (Atty Docket No. 25791.50.02)   |

|     |   |
|-----|---|
| C8  | Written Opinion to Application No. PCT/US02/20256; May 9, 2003 (Atty Docket No. 25791.61.02)        |
| C9  | Written Opinion to Application No. PCT/US02/24399; April 28, 2004 (Atty Docket No. 25791.59.02)     |
| C10 | Written Opinion to Application No. PCT/US02/25608 September 13, 2004 (Atty Docket No. 25791.58.02)  |
| C11 | Written Opinion to Application No. PCT/US02/25608 February 2, 2005 (Atty Docket No. 25791.58.02)    |
| C12 | Written Opinion to Application No. PCT/US03/25675 November 24, 2004 (Atty Docket No. 25791.121.02)  |
| C13 | Written Opinion to Application No. PCT/US02/25727; May 17, 2004 (Atty Docket No. 25791.67.03)       |
| C14 | Written Opinion to Application No. PCT/US02/39418; June 9, 2004 (Atty Docket No. 25791.92.02)       |
| C15 | Written Opinion to Application No. PCT/US02/39425; November 22, 2004 (Atty Docket No. 25791.68.02)  |
| C16 | Written Opinion to Application No. PCT/US02/39425; April 11, 2005 (Atty Docket No. 25791.68.02)     |
| C17 | Written Opinion to Application No. PCT/US03/06544; February 18, 2005 (Atty Docket No. 25791.93.02)  |
| C18 | Written Opinion to Application No. PCT/US03/11765 May 11, 2004 (Atty Docket No. 25791.89.02)        |
| C19 | Written Opinion to Application No. PCT/US03/13787 November 9, 2004 (Atty Docket No. 25791.107.02)   |
| C20 | Written Opinion to Application No. PCT/US03/14153 September 9, 2004 (Atty Docket No. 25791.104.02)  |
| C21 | Written Opinion to Application No. PCT/US03/14153 November 9, 2004 (Atty Docket No. 25791.104.02)   |
| C22 | Written Opinion to Application No. PCT/US03/18530 September 13, 2004 (Atty Docket No. 25791.108.02) |
| C23 | Written Opinion to Application No. PCT/US03/19993 October 15, 2004 (Atty Docket No. 25791.106.02)   |
| C24 | Written Opinion to Application No. PCT/US03/25675 May 9, 2005 (Atty Docket No. 25791.121.02)        |
| C25 | Written Opinion to Application No. PCT/US03/29858 January 21, 2004 (Atty Docket No. 25791.112.02)   |
| C26 | Written Opinion to Application No. PCT/US03/38550 December 10, 2004 (Atty Docket No. 25791.157.02)  |
| C27 | Written Opinion to Application No. PCT/US04/08171 May 5, 2005 (Atty Docket No. 25791.236.02)        |

|                       |  |                 |  |
|-----------------------|--|-----------------|--|
| Examiner<br>Signature |  | Date Considered |  |
|-----------------------|--|-----------------|--|

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